

FDCLP2

Low Profile, Series Flow Fan Powered Terminal Unit

PERFORMANCE DATA



FDCLP2 with Sensible Cooling Coil (DOAS) – Heating Coil Data

Unit Size 10 – Standard Capacity

Rows	Coil GPM	HD Loss	Airflow Rate (cfm)							
			275	350	425	500	575	650	725	800
1 Row	0.5	0.1	6.4	6.9	7.3	7.7	8.0	8.2	8.4	8.6
	1	0.5	7.7	8.5	9.1	9.7	10.1	10.6	10.9	11.2
	Multi	2	8.6	9.5	10.3	11.0	11.6	12.2	12.7	13.1
	Circuit	3	8.9	10.0	10.9	11.6	12.3	12.9	13.5	14.0
	Through the Coil, Δ Ps		0.06	0.09	0.12	0.16	0.20	0.25	0.30	0.35
2 Row	1	0.1	13.5	15.0	16.2	17.2	18.1	18.9	19.5	20.1
	2	0.5	15.2	17.2	18.9	20.3	21.6	22.7	23.7	24.5
	Multi	4	16.1	18.4	20.3	22.0	23.5	24.8	26.0	27.1
	Circuit	6	16.5	18.9	21.0	22.8	25.8	25.8	27.1	28.3
	Through the Coil, Δ Ps		0.13	0.20	0.27	0.35	0.47	0.54	0.65	0.77

Unit Size 10 – High Capacity

Rows	Coil GPM	HD Loss	Airflow Rate (cfm)							
			275	350	425	500	575	650	725	800
1 Row	0.5	0.17	8.3	8.9	9.4	9.8	10.2	10.4	10.7	10.9
	1	0.58	10.8	11.9	12.8	13.6	14.2	14.7	15.2	15.6
	Multi	2	12.6	14.2	15.5	16.6	17.5	18.4	19.1	19.8
	Circuit	3	13.4	15.2	16.7	18.0	19.2	20.2	21.1	21.9
	Through the Coil, Δ Ps		0.03	0.05	0.07	0.09	0.11	0.14	0.16	0.19
2 Row	1	0.16	17.4	19.5	21.1	22.4	23.5	24.4	25.2	25.9
	2	0.55	20.4	23.4	26.0	28.1	30.0	31.7	33.1	34.4
	Multi	4	22.0	25.7	28.9	31.7	34.2	36.4	38.4	40.2
	Circuit	6	22.7	26.7	30.2	33.3	38.5	38.5	40.8	42.8
	Through the Coil, Δ Ps		0.07	0.11	0.15	0.19	0.26	0.30	0.36	0.42

Unit Size 20 – Standard Capacity

Rows	Coil GPM	HD Loss	Airflow Rate (cfm)							
			325	400	475	550	625	700	775	850
1 Row	0.5	0.21	7.4	7.8	8.2	8.6	8.8	9.1	9.3	9.5
	1	0.73	9.2	10.0	10.6	11.2	11.7	12.1	12.5	12.8
	Multi	2	10.5	11.5	12.4	13.1	13.8	14.4	14.9	15.4
	Circuit	3	11.0	12.2	13.1	14.0	14.8	15.5	16.1	16.7
	Through the Coil, Δ Ps		0.06	0.08	0.11	0.14	0.17	0.21	0.25	0.29
2 Row	1	0.17	15.9	17.4	18.6	19.6	20.5	21.2	21.9	22.5
	2	0.60	18.5	20.5	22.3	23.8	25.2	26.4	27.4	28.4
	Multi	4	19.9	22.3	24.4	26.3	28.0	29.5	30.9	32.2
	Circuit	6	4.39	20.4	23.1	25.4	27.4	29.2	30.9	32.4
	Through the Coil, Δ Ps		0.13	0.18	0.24	0.31	0.38	0.46	0.55	0.64

Unit Size 20 – High Capacity

Rows	Coil GPM	HD Loss	Airflow Rate (cfm)								
			325	400	475	550	625	700	775	850	
1 Row	0.5	0.25	9.3	9.8	10.3	10.6	10.9	11.2	11.4	11.6	
	1	0.84	12.5	13.6	14.4	15.2	15.8	16.3	16.8	17.2	
	Multi	2	15.1	16.7	18.0	19.2	20.2	21.1	21.9	22.6	
	Circuit	3	6.03	16.3	18.2	19.7	21.1	22.4	23.5	24.5	25.4
	Through the Coil, Δ Ps		0.03	0.05	0.06	0.08	0.09	0.11	0.14	0.16	
2 Row	1	0.21	20.0	21.9	23.4	24.7	25.7	26.6	27.4	28.1	
	2	0.71	24.2	27.2	29.8	32.0	33.9	35.6	37.1	38.5	
	Multi	4	2.48	26.6	30.5	33.9	36.9	39.6	42.0	44.2	46.2
	Circuit	6	5.18	27.6	31.8	35.6	38.9	42.0	44.8	47.4	49.7
	Through the Coil, Δ Ps		0.07	0.10	0.13	0.17	0.21	0.25	0.30	0.35	

For performance notes, see end of section.

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PERFORMANCE DATA



FDCLP2 with Sensible Cooling Coil (DOAS) – Heating Coil Data

Unit Size 30 – Standard Capacity

Rows	Coil GPM	HD Loss	Airflow Rate (cfm)								
			300	400	500	600	700	800	900	1000	
1 Row	0.5	0.21	7.2	7.8	8.3	8.7	9.1	9.3	9.6	9.8	
	1	0.73	8.9	10.0	10.8	11.5	12.1	12.6	13.0	13.4	
	Multi	2	2.53	10.1	11.5	12.6	13.6	14.4	15.1	15.7	16.3
	Circuit	3	5.25	10.6	12.2	13.4	14.5	15.5	16.3	17.0	17.7
	Through the Coil, Δ Ps		0.05	0.08	0.12	0.16	0.21	0.26	0.32	0.38	
2 Row	1	0.17	15.3	17.4	18.9	20.2	21.2	22.1	22.8	23.5	
	2	0.60	17.7	20.5	22.8	24.7	26.4	27.8	29.0	30.1	
	Multi	4	2.10	18.9	22.3	25.1	27.5	29.5	31.3	32.9	34.4
	Circuit	6	4.39	19.4	23.1	26.1	28.6	30.9	32.9	34.7	36.3
	Through the Coil, Δ Ps		0.11	0.18	0.26	0.36	0.46	0.58	0.70	0.84	

Unit Size 30 – High Capacity

Rows	Coil GPM	HD Loss	Airflow Rate (cfm)								
			300	400	500	600	700	800	900	1000	
1 Row	0.5	0.25	9.0	9.8	10.4	10.8	11.2	11.5	11.7	11.9	
	1	0.84	12.1	13.6	14.7	15.6	16.3	17.0	17.5	17.9	
	Multi	2	2.90	14.5	16.7	18.4	19.9	21.1	22.1	23.0	23.8
	Circuit	3	6.03	15.6	18.2	20.2	22.0	23.5	24.8	25.9	26.9
	Through the Coil, Δ Ps		0.03	0.05	0.07	0.09	0.11	0.14	0.17	0.21	
2 Row	1	0.21	19.3	21.9	23.9	25.4	26.6	27.6	28.5	29.2	
	2	0.71	23.1	27.2	30.6	33.3	35.6	37.6	39.3	40.8	
	Multi	4	2.48	25.2	30.5	34.9	38.7	42.0	44.9	47.5	49.8
	Circuit	6	5.18	26.1	31.8	36.7	41.0	44.8	48.2	51.2	53.9
	Through the Coil, Δ Ps		0.06	0.10	0.15	0.20	0.25	0.32	0.38	0.46	

For performance notes, see end of section.

FDCLP2

Low Profile, Series Flow Fan Powered Terminal Unit

PERFORMANCE DATA



FDCLP2 with Sensible Cooling Coil (DOAS) – Heating Coil Data

Unit Size 50 – Standard Capacity

Rows	Coil GPM	HD Loss	Airflow Rate (cfm)							
			500	650	800	950	1100	1250	1400	1550
1 Row Multi Circuit	1	0.84	13.4	14.7	15.6	16.4	17.0	17.5	18.0	18.4
	2	2.90	16.4	18.4	19.9	21.1	22.2	23.1	24.0	24.7
	3	6.03	17.8	20.1	22.0	23.5	24.9	26.1	27.1	28.1
	4	10.16	18.6	21.2	23.2	24.9	26.5	27.8	29.0	30.1
	Through the Coil, Δ Ps		0.05	0.08	0.11	0.15	0.19	0.23	0.28	0.34
2 Row Multi Circuit	1	0.21	22.3	24.4	25.9	27.2	28.2	29.0	29.7	30.3
	2	0.71	28.0	31.7	34.5	36.9	38.9	40.6	42.0	43.3
	4	2.48	31.7	36.6	40.6	44.1	47.0	49.6	51.9	54.0
	6	5.18	33.2	38.7	43.3	47.3	50.7	53.8	56.6	59.0
	Through the Coil, Δ Ps		0.11	0.17	0.25	0.33	0.42	0.51	0.62	0.73

Unit Size 50 – High Capacity

Rows	Coil GPM	HD Loss	Airflow Rate (cfm)							
			500	650	800	950	1100	1250	1400	1550
1 Row Multi Circuit	1	0.14	17.3	18.8	19.9	20.8	21.5	22.1	22.6	23.0
	2	0.48	23.0	25.6	27.8	29.5	31.0	32.2	33.3	34.2
	3	1.00	25.7	29.1	31.8	34.1	36.1	37.8	39.3	40.6
	4	1.68	27.2	31.1	34.3	37.0	39.3	41.3	43.1	44.7
	Through the Coil, Δ Ps		0.03	0.05	0.07	0.09	0.11	0.14	0.17	0.20
2 Row Multi Circuit	1	0.10	26.7	29.1	30.8	32.1	33.1	34.0	34.6	35.2
	2	0.33	35.6	40.4	44.2	47.3	49.8	51.8	53.6	55.1
	4	1.15	41.6	49.0	55.1	60.2	64.6	68.5	71.8	74.8
	6	2.39	43.8	52.2	59.4	65.6	71.0	75.8	80.0	83.9
	Through the Coil, Δ Ps		0.07	0.10	0.15	0.19	0.25	0.30	0.37	0.43

Performance Notes:

1. Tabulated values are in MBH (thousands of Btu per hour).
2. Tables are based on a temperature difference of 105°F (180°F entering water temperature and 75°F entering air temperature). For other temperature differences, multiply MBH values by factors as listed above.
3. Minimum air and water flow values are based on ASHRAE recommendations for coil selections. For selections below these tabulated air or water values, please consult your local Price representative.
4. HD (Head) loss is in ft. of water.
5. Through the Coil ΔPs, is the pressure drop in in. of water across the coil.
6. Air temperature rise = ATR
ATR (°F) = 927 x MBH/cfm
7. Water temperature drop = WTD
WTD (°F) = 2.04 x MBH/gpm
8. Values in tables are listed for 0 ft. of altitude and no glycol in the system.
9. For information outside the ranges used in the table, consult the current Price software or your Price representative for accurate coil information.
10. Cooling coils used in this unit have performance rated and certified in accordance with the current edition of AHRI Standard 410.
11. Connections: Single Circuit – 1/2 in. OD male solder
Multi Circuit – 7/8 in. OD male solder.

PRICE | TERMINALS

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